

PROGRAM

Friday, September 30, 2005

6:00 – 8:00 pm Reception for all attendees sponsored by California Healthcare Institute
The Westin St. Francis Hotel, Victor's and Alexandra's, 32nd floor

Saturday, October 1, 2005

Renaissance Parc 55, Parc Ballroom, 4th floor

8:30 – 9:00 am **Welcome**

Zach Hall, Ph.D., President, CIRM
Robert Klein, Chairman, ICOC

9:00 – 11:00 am **SESSION I**

Cellular Therapeutics: Clinical State of the Art and Challenges for the Future

Chairs: George Daley, M.D., Ph.D., Harvard Medical School
Paul Berg, Ph.D., Stanford University

Speakers: Rob Negrin, M.D., Stanford University
Hematopoietic Stem Cell Transplantation: Where We Have Been and Where We Are Going

Jeff Bluestone, Ph.D., University of California, San Francisco
A Cure for Type I Diabetes

Olle Lindvall, M.D., Ph.D., University of Lund, Sweden
*Stem Cell Therapy for Human Brain Disease:
How Can We Make It Work?*

11:00 – 11:15 am **Break** — Pick up box lunches

11:15 – 1:15 pm **SESSION II**

Stem Cells and Therapies: Lessons from the FDA and Industry

Chairs: Edward Penhoet, Ph.D., Vice Chair, ICOC
Tina Nova, Ph.D., Member, ICOC

- Speakers: Jane Lebkowski, Ph.D., Geron Corporation
Preclinical Studies to Support Clinical Testing of Stem Cell-Based Therapies
- Alan Smith, Ph.D., Cognate Therapeutics, Inc.
GMP Banking, Manufacturing and Quality Control of Stem Cells for Clinical Use
- Donald Fink, Ph.D., Food and Drug Administration
Developing Stem Cell-Based Therapies: Engaging the FDA

1:15 – 3:15 pm **SESSION III**
Stem Cells as Tools for Disease Research and Therapy

- Chairs: Fred Gage, Ph.D., The Salk Institute
 Mary Maxon, Ph.D., Deputy Vice Chair, ICOC
- Speakers: Rudolph Jaenisch, Ph.D., The Whitehead Institute, MIT
SCNT for Understanding Disease
- Inder Verma, Ph.D., The Salk Institute
Molecular Manipulation of Embryonic Stem Cells
- Peter Schultz, Ph.D., The Scripps Research Institute
Small Molecules and High-Throughput Screening in Embryonic Stem Cells

3:15 – 3:30 pm **Break**

3:30 – 5:30 pm **SESSION IV**
Self-Renewal of Stem Cells

- Chairs: Peter Andrews, Ph.D., University of Sheffield, United Kingdom
 Janet Wright, M.D., Member, ICOC
- Speakers: Haifan Lin, Ph.D., Duke University School of Medicine
Understanding Stem Cell Self-Renewal: Progress and Prospect
- Andras Nagy, Ph.D., Mount Sinai Hospital, Toronto, Canada
Development of Tools for Studying hESC Self-Renewal
- Martin Pera, Ph.D., The Monash Institute of Medical Research, Australia
Development of Conditions for Defined Culture and Scale-Up

7:00 – 10:00 pm Dinner for session chairs, speakers, ICOC members, and confirmed dinner attendees, supported by the Alliance for Stem Cell Research.
Renaissance Parc 55, Barcelona II, 3rd floor

Speaker: Brad Margus, CEO and co-founder, Perlegen Sciences, Inc.
A Father's Perspective: Science and Stem Cells, Hype and Hope

Sunday, October 2, 2005

Renaissance Parc 55, Parc Ballroom, 4th floor

8:00 – 10:00 am **SESSION V** **Fate Decisions – Good and Bad Choices**

Chairs: Owen Witte, M.D., University of California, Los Angeles
Irving Weissman, M.D., Stanford University

Speakers: Nissim Benvenisty, M.D., Ph.D., Hebrew University of Jerusalem, Israel
How Can We Control Differentiation of ES Cells?

Irving Weissman, M.D., Stanford University
Current Status of in vivo Systems to Monitor Stem Cell Differentiation and Function

Michael Clarke, M.D., University of Michigan
Bad Stem Cell Choices in Cancer Development

10:00 – 10:15 am **Break**

10:15 – 12:15 pm **SESSION VI** **Bridging the Gap Between Bench and Bedside**

Chairs: Ian Duncan, Ph.D., University of Wisconsin
Arlene Chiu, Ph.D., CIRM

Speakers: David Scadden, M.D., Harvard Medical School
The Stem Cell Niche: A Drugable Target?

Jon Odorico, M.D., University of Wisconsin
Hurdles to Overcome in Applying hES Cells for Treatment of Diabetes

Hans Keirstead, Ph.D., University of California, Irvine
Human Embryonic Stem Cell-Derived Oligodendrocyte Progenitors: A Defined Cell Population for a Defined Need

12:15 – 12:30 pm **Break** — Pick up box lunches

12:30 – 2:30 pm **Review of Scientific Sessions**

Gil Sambrano, Ph.D., CIRM

Theo Palmer, Ph.D., Stanford University

Julie Baker, Ph.D., Stanford University

2:30 – 2:45 pm **Break**

2:45 – 6:00 pm **Summary of Meeting**

- Recommendations to CIRM presented by Chairs from each Session
- Closing remarks by Zach Hall, Ph.D., President, CIRM